IN THE CLAIMS

Upon entry of the present amendment, the status of the claims will be as is shown below. This listing of claims replaces all previous versions and listings of claims in the present application

Claims 1-16 (Cancelled)

17. (New) A passive type emission flux sampler for measuring an emission flux of a specified chemical sample released from an inspection object, comprising:

a hollow casing comprising an inner surface and a bottom surface opposite the inner surface in which an opening is formed for taking in a chemical substance released from the inspection object; and

an adhesive layer formed at a periphery of the opening and configured to bond the bottom surface to a surface of the inspection object,

wherein the inner surface is configured to receive a test specimen that changes color in a reaction with the chemical substance.

18. (New) A passive type emission flux sampler according to claim 17,

wherein the inner surface comprises a transparent observing section for observing the color change of the test specimen from the outside.

19. (New) A passive type emission flux sampler according to claim 17,

wherein the casing has a gas barrier property.

20. (New) A passive type emission flux sampler according to claim 17,

wherein a gas barrier film is formed to at least one of the inner surface and an outer surface of the casing to provide the casing with a gas barrier property.

21. (New) A passive type emission flux sampler according to claim 17, further comprising:

a water retaining material disposed in the casing for maintaining the test specimen in a humid condition.

22. (New) A passive type emission flux sampler according to claim 17, further comprising:

an annular rib extending from an end edge of the opening to inside the casing.

23. (New) A passive type emission flux sampler according to claim 17,

wherein an air permeable spacer of a predetermined thickness is configured to ensure a predetermined distance between the opening and the test specimen.

24. (New) A measuring apparatus for measuring emission flux of a passive type flux sampler, comprising:

a hollow casing comprising an inner surface having a transparent observing section and a bottom surface opposite the inner surface in which an opening is formed for taking in a chemical substance released from an inspection object, and an adhesive layer formed at a periphery of the opening and configured to bond the bottom surface to a surface of the inspection object, wherein the inner surface is configured to receive a test specimen that changes color in a

reaction with the chemical substance,

a light shielding chamber formed with a setting stage for positioning the flux sampler for a predetermined time;

a light source provided to the light shielding chamber for irradiating a measuring light to the test specimen through at least one of the opening and the observing section,

an optical sensor configured to detect the intensity of a reflection light from the test specimen, and

a calculation processor configured to calculate the emission flux based on the intensity of reflection light detected by the optical sensor.

25. (New) A passive type emission flux sampler according to claim 19,

wherein a gas barrier film is formed to at least one of the inner surface and an outer surface of the casing to provide the casing with a gas barrier property.

26. (New) A passive type emission flux sampler according to claim 18, further comprising:

a water retaining material disposed in the casing for maintaining the test specimen in a humid condition.

27 (New) A passive type emission flux sampler according to claim 19, further comprising:

a water retaining material disposed in the casing for maintaining the test specimen in a humid condition.

28 (New) A passive type emission flux sampler according to claim 18, further comprising:

an annular rib extending from an end edge of the opening to inside the casing.

29. (New) A passive type emission flux sampler according to claim 19, further comprising:

an annular rib extending from an end edge of the opening to inside the casing.

30 (New) A passive type emission flux sampler according to claim 18,

wherein an air permeable spacer of a predetermined thickness is configured to ensure a predetermined distance between the opening and the test specimen.

31. (New) A passive type emission flux sampler according to claim 19,

wherein an air permeable spacer of a predetermined thickness is configured to ensure a predetermined distance between the opening and the test specimen.

32. (New) A passive type emission flux sampler according to claim 17,

wherein a flange is formed to an outer peripheral edge of the casing.

33. (New) A passive type emission flux sampler according to claim 17,

wherein the adhesive layer is configured to bond to an aluminum sheet to seal the opening.